

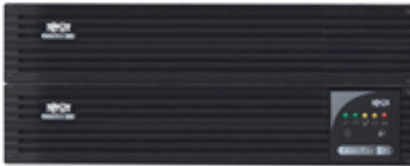


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Model #: SMART2200CRMXL

SmartPro Compact Rackmount UPS System - Precision Protection for Network / Telecom Wiring Closets and Reduced Depth Installations

Highlights



- 2200VA / 2.2kVA line interactive 4U rack / tower UPS with reduced mounting depth of only 17.25 inches / high power factor 1900W capacity
- Maintains sine-wave 120V nominal output over an input range of 83 to 145V
- Network communications supported via USB port, serial port, SNMP/Web card slot and EPO interface
- Expandable runtime with optional external battery packs
- Input: NEMA 5-20P (120V 20A) / Output: 4 NEMA 5-15/20R, 4 NEMA 5-15R (120V)
- 2 year product warranty / \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

Description

Tripp Lite's SmartPro Compact Rackmount Uninterruptible Power Supply (UPS) offers line interactive voltage regulation, network grade surge suppression and long lasting battery support for critical network hardware during blackouts and extended power failures. Special reduced-depth housing, larger internal batteries, higher rated wattage and included 2 post rackmount installation hardware makes these systems ideal for network and telecom wiring closets and other limited-space installations. 97% line power mode efficiency saves operating costs over less efficient UPS types. Runtime is expandable with optional BP48V48RT4U and BP48V24-2U reduced-depth external battery packs.

SMART2200CRMXL 4U rackmount 2200VA/1900 watt UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations. Line interactive Automatic Voltage Regulation (AVR) provides two levels of voltage boost during brownouts and one level of voltage cut during overvoltage conditions to maintain regulated 120V nominal output over an input range of 83-145V. Includes NEMA 5-20P input plug, NEMA 5-15R and 5-15/20R output receptacles. Network management interfaces support simultaneous communications via USB port, DB9 serial port and optional SNMP/Web management accessory card slot. Optional SNMPWEBCARD offers remote management and control of the UPS via direct network connection. Additional ENVIROSENSE accessory, when used in conjunction with SNMPWEBCARD reports temperature, humidity and status of up to two directly connected contact closure sensors. HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once. Includes PowerAlert monitoring software with USB and serial cables. Emergency Power Off (EPO) interface. Integrated 3-bank programmable PDU switching supports load shedding and remote-reboot of up to 3 individual connected devices. 3-stage metered current monitoring and battery charge status LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 2-post rackmount accessories included; 2-9USTAND tower stands and UPSRMR11 4 post rackmount kit available. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme. 2-year warranty and \$250,000 [connected equipment insurance](#); extended warranty and service contracts available.

Applications

- Special reduced-depth housing, larger internal batteries, higher rated wattage and included 2 post rackmount installation hardware makes these systems ideal for network and telecom wiring closets and other limited-space installations

Package Includes

- SmartPro Compact 4U Rackmount UPS system
- 2 post rackmount installation brackets
- USB and Serial Cabling
- Owner's manual with warranty information

Features

- Tripp Lite's SmartPro Compact Rackmount Uninterruptible Power Supply (UPS) offers line interactive voltage regulation, network grade surge suppression and long lasting battery support for critical network hardware during blackouts and extended power failures
- Special reduced-depth housing, larger internal batteries, higher rated wattage and included 2 post rackmount installation hardware makes these systems ideal for network and telecom wiring closets and other limited-space installations
- Runtime is expandable with optional BP48V48RT4U and BP48V24-2U reduced-depth external battery packs
- SMART2200CRMXL 4U rackmount 2200VA/1900 watt UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations
- Line interactive Automatic Voltage Regulation (AVR) provides two levels of voltage boost during brownouts and one level of voltage cut during overvoltage conditions to maintain regulated 120V nominal output over an input range of 83-145V
- Includes NEMA 5-20P input plug, NEMA 5-15R and 5-15/20R output receptacles
- Network management interfaces support simultaneous communications via USB port, DB9 serial port and optional SNMP/Web management accessory card slot
- Optional SNMPWEBCARD offers remote management and control of the UPS via direct network connection
- Additional ENVIROSENSE accessory, when used in conjunction with SNMPWEBCARD reports temperature, humidity and status of up to two directly connected contact closure sensors
- HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X
- 97% efficiency in line power mode offers substantially lower operating costs than lower efficiency UPS types
- Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once
- Includes PowerAlert monitoring software with USB and serial cables
- Emergency Power Off (EPO) interface
- Integrated 3-bank programmable PDU switching supports load shedding and remote-reboot of up to 3 individual connected devices
- 3-stage metered current monitoring and battery charge status LEDs; Utility power and voltage regulation LEDs; Audible alarm; Self-test
- 2-post rackmount accessories included; 2-9USTAND tower stands and UPSRMR11 4 post rackmount kit available
- Field-replaceable, hot-swappable internal batteries and external battery packs
- Attractive all-black color scheme
- 2-year warranty and \$250,000 [connected equipment insurance](#); extended warranty and service contracts available

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120 volts
Frequency compatibility	60Hz
OUTPUT	
Output VA	2200
Output watts	1900
Output nominal voltage	120V
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%)
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10%
Outlet quantity / type	4 NEMA 5-15R and 4 NEMA 5-15/20R
Customized load management receptacles	3 individually controllable single outlet load banks
Overload protection	Via 20A input circuit breaker
INPUT	

Maximum input amps	16
Input connection type	5-20P
Input cord length	10 ft / 3m
Recommended Electrical Service	120V 20A
BATTERY	
Full load runtime	11 minutes (1900w)
Half load runtime	28 minutes (950w)
Expandable battery runtime	Yes - with BP48V24-2U (limit 1) or BP48V48RT4U (no limit)
DC system voltage	48VDC
Battery recharge rate	3.6 hours from 10% to 90% (internal batteries)
Replacement Battery Cartridge	RBC54 (qty 2)
VOLTAGE REGULATION	
Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 83V and overvoltages to 145V
Overvoltage correction	Input voltages between 127 and 145V AC are reduced by 12%
Brownout correction	Input voltages between 96 and 108V AC are boosted by 12%
Severe brownout correction	120V only: Input voltages between 83 and 95 are boosted by 24%
LEDS ALARMS & SWITCHES	
Front panel LEDs	5 front panel LEDs Green POWER LED, Green VOLTAGE CORRECTION LED, 3 color BATTERY CHARGE LED, 3 color OUTPUT LOAD LEVEL LED, red BATTERY WARNING LED.
Alarms	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions. Back panel includes battery charge level switch for internal or external battery configurations
SURGE / NOISE SUPPRESSION	
AC surge suppression	570
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	128.9
Shipping weight (kg)	58.5
Shipping Dimensions (HWD/in)	12.76 x 23.27 x 22.76
Shipping Dimensions (HWD/cm)	32.4 x 59.1 x 57.8
Unit weight (lbs)	100.3
Unit weight (kg)	45.5

Unit Dimensions (HWD/in)	7.01 x 18 x 17.25
Unit Dimensions (HWD/cm)	17.8 x 45.7 x 43.8
Material of construction	Steel
Form factors supported	Rack (4U)
Cooling method	Fan
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
ENVIRONMENTAL	
Relative Humidity	0-95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Line mode BTU/hr. (Max.)	199.8 BTU/Hr. (with 1900w continuous load)
Battery mode BTU/hr. (Max.)	880.9 BTU/Hr. (with 1900w continuous load)
COMMUNICATIONS	
Network monitoring port	Includes USB and DB9 serial ports. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure monitoring ability. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X.
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 2 cables, 1-USB to USB & 1-DB9 to DB9
SNMP compatibility	Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD)
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment ideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	5.5 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage drops to 83V or less. Switches back to line power mode as line voltage recovers to 87V or higher.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 145V or higher. Switches back to line power mode as line voltage recovers to 141V or lower.
SPECIAL FEATURES	
EPO port	Includes RJ11 EPO (emergency power off) port and interconnection cable
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive black rackmount housing, optional use 2U black front bezel included to enable black color appearance
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	Compatible with BP48V24-2U (limit 1), BP48V48RT4U (multi-pack compatible)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA (Canada), NOM (Mexico), Class A (EMI), RoHS
WARRANTY	
Product Warranty Period	2 year product warranty
Connected Equipment Coverage	\$250,000connected equipment insurance

Related Items

Extended Warranties		
WEXT3-2200-3000	3-Year Extended Warranty - 1-year extension of standard 2-year warranty	Qty: [optional]
WEXT5-2200-3000	5-Year Extended Warranty - 3-year extension of standard 2-year warranty	Qty: [optional]
External Battery Packs		
BP48V24-2U	BP48V242U - External Battery Pack for UPS System	Qty: [optional]
BP48V48RT4U	External Battery Packs for UPS System	Qty: [optional]
Power Distribution		
PS7224-20	Tripp Lite Power Strip - Multiple outlets wherever you need them	Qty: [optional]
PDU1220	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
PDUMV20	Metered PDU / Power Distribution Unit - Safe, reliable power distribution with digital current meter	Qty: [optional]
PDUMH20ATNET	Switched, Metered PDU with ATS - Power Distribution Unit with dual-input Auto Transfer Switching, individual outlet control and SNMP network interface	Qty: [optional]
PDUMH20	Metered PDU / Power Distribution Unit- Safe, reliable power distribution with digital current meter	Qty: [optional]
Rackmount/Wallmount Kits		
4POSTRAILKIT	4-Post UPS installation rackmount rail kit	Qty: [optional]
SNMP Accessories		
ENVIROSENSE	Power Management Tools - Environmental Sensor	Qty: [optional]
SNMPWEBCARD	Power Management Tools - Internal SNMP/Web Card	Qty: [optional]
Software		
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	Qty: [optional]
Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]
Tower Stands		
2-9USTAND	Tower Stand - Expandable Tower Base Stand UPS Accessory	Qty: [optional]
USB Hubs/Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3825.